



USTDA

U.S. TRADE AND DEVELOPMENT AGENCY

INDIA

Linking U.S. Businesses to
Global Infrastructure Opportunities

www.ustda.gov

The U.S. Trade and Development Agency helps companies create U.S. jobs through the export of U.S. goods and services for priority development projects in emerging economies. USTDA links U.S. businesses to export opportunities by funding project preparation and partnership building activities that develop sustainable infrastructure and foster economic growth in partner countries.

USTDA in India

Since 1983, the U.S. Trade and Development Agency has supported over 130 priority development projects in India with public and private sector sponsors. To date, USTDA's program in India has helped generate billions of dollars in U.S. exports.

The Agency's project preparation and partnership building activities work to develop sustainable energy, telecommunications and transportation infrastructure that fosters economic growth in India. Through feasibility studies, technical assistance, pilot projects, and reverse trade missions, USTDA creates market access for U.S. industry in India.

USTDA's energy projects address sustainable development objectives while promoting business potential for U.S. firms in India. The Agency's investments are currently promoting lower-carbon growth in four of India's seven largest cities by introducing smart grid technologies and solutions that can improve the quality and supply of power for millions of Indian consumers.



Delegates on a smart cities reverse trade mission learn about the Bikeshare program in Washington, D.C.

U.S.-India Aviation Cooperation Program

The U.S.-India Aviation Cooperation Program (ACP) is a bilateral public-private partnership that focuses on modernization requirements of India's rapid aviation sector growth. USTDA, the U.S. Federal Aviation Administration (FAA), the Transportation Security Administration (TSA), U.S. aviation companies, and the Government of India's Civil Aviation Ministries jointly support ACP technical cooperation projects.

Through the ACP, USTDA has supported five bilateral aviation summits and numerous activities to advance bilateral cooperation in the areas of aviation safety, security, standards harmonization, air traffic management, airspace liberalization, general aviation, and environmental best practices. These activities have generated over \$600 million in exports of U.S.-manufactured goods and services.

Support for Smart Grid

Since 2004, USTDA has sponsored ten smart grid activities addressing topics such as distributed energy resources (DER), the viability of solar powered microgrids for two rural villages, and utilizing automated demand side management solutions to manage peak demand. On these activities, USTDA partnered with both public and private sector utilities, as well as U.S. companies, to pilot innovative solutions tailored to India's unique electricity needs.

In March 2017, USTDA was awarded the India Smart Grid Forum's *President Award for Promotion of Smart Grids in India*, in recognition of the Agency's efforts to advance India's grid modernization efforts.



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Smart Solutions for Smart Cities in India

Since Prime Minister Modi was elected, U.S.-India commercial engagement has placed special emphasis on the development of smart cities. U.S. industry is serving as a lead partner in transforming the cities of Ajmer, Vishakhapatnam and Allahabad into smart cities. USTDA responded to this bilateral initiative by entering into three memorandums of understanding with the Indian states of Rajasthan, Andhra Pradesh and Uttar Pradesh, as well as offering support through reverse trade missions and infrastructure advisory services in this new engagement area.

Civil Aviation Safety

USTDA supported the efforts of India's Directorate General of Civil Aviation (DGCA) to address critical aviation safety regulatory framework and oversight requirements of the Federal Aviation Administration's (FAA) International Aviation Safety (IASA) Program. The technical assistance reviewed and helped implement recommendations for the DGCA's: 1) regulations, systems and practices, including the agency's workforce evaluation and staffing levels; 2) flight operations inspector training program and tracking system; 3) air carrier certification and special authorization processes; 4) oversight of designated examiners; and 5) surveillance, safety resolution and enforcement actions.

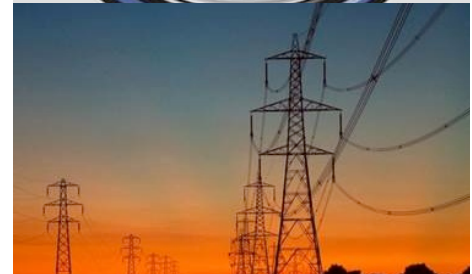
Due in large part to USTDA's support, the FAA reinstated India's Category 1 safety rating in 2015.

Business Models for Distributed Energy Resource Deployment

USTDA funded a feasibility study to develop a distributed energy resource (DER) plan for Tata Power Delhi Distribution Limited's (TPDDL) service territory in North Delhi. The study developed integrated planning tools and metrics to enable TPDDL to select and deploy DER technologies in its network. These technologies have the potential to improve the reliability of TPDDL's system, reduce its environmental footprint and decrease overall power costs to customers. The U.S. firm, Energy and Environmental Economics (E3), based in Virginia, was selected to carry out the study.

Leasing and Public-Private Partnership Framework

USTDA is partnering with Indian Railways to develop new and modify existing leasing and public private partnership (PPP) frameworks to attract private sector funding to modernize India's rail infrastructure. The technical assistance will review all current methods of financial structuring that are used for locomotive procurement and other rail infrastructure projects. It will recommend, based on international best practices, how to refine financing, procurement and operational methods in order to more successfully attract private funding and establish effective PPPs in the operation of Indian Railways network.



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